PCT





INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7:

C12N 15/12, C07K 14/47, C12N 15/62, C07K 16/18, A61K 38/17, G01N 33/53, C12Q 1/68, A61K 48/00

(11) International Publication Number:

WO 00/31252

(43) International Publication Date:

PT, SE).

2 June 2000 (02.06.00)

(21) International Application Number:

PCT/EP99/09215

(22) International Filing Date:

26 November 1999 (26.11.99)

(26 11 90)

A1

(30) Priority Data:

98 122 441.3

26 November 1998 (26.11.98) EP

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,

(81) Designated States: CA, JP, US, European patent (AT, BE, CH,

(71) Applicant (for all designated States except US):

MAX-PLANCK-GESELLSCHAFT ZUR FÖRDERUNG
DER WISSENSCHAFTEN E.V. [DE/DE]; Hofgartenstrasse
8, D-80539 München (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BEHL, Christian [DE/DE]; Thornerstrasse 11, D-80933 München (DE). KLOSTERMANN, Andreas [DE/DE]; Meginhardstrasse 23, D-82205 Gilching (DE).

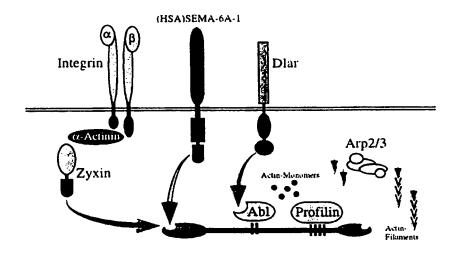
(74) Agents: WEICKMANN, H. et al.; Kopernikusstrasse 9, D-81679 München (DE).

(54) Title: HUMAN SEMAPHORIN 6A-1 (SEMA6A-A), A GENE INVOLVED IN NEURONAL DEVELOPMENT AND REGENERATION MECHANISMS DURING APOPTOSIS, AND ITS USE AS A POTENTIAL DRUG TARGET

(57) Abstract

Human semaphorin 6A-1, a novel gene involved in neuronal development and regeneration mechanisms, is described.

From Membrane to Cytoskeleton: Enabling a Connection (Hu and Reichardt, Neuron, Vol. 22; March 1999)



FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

| AL | Albania | ES | Spain | LS | Lesotho | SI | Slovenia |
|----|--------------------------|----|---------------------|----|-----------------------|----|--------------------------|
| AM | Armenia | FI | Finland | LT | Lithuania | SK | Slovakia |
| AT | Austria | FR | France | LU | Luxembourg | SN | Senegal |
| AU | Australia | GA | Gabon | LV | Latvia | SZ | Swaziland |
| AZ | Azerbaijan | GB | United Kingdom | MC | Monaco | TD | Chad |
| BA | Bosnia and Herzegovina | GE | Georgia | MD | Republic of Moldova | TG | Togo |
| BB | Barbados | GH | Ghana | MG | Madagascar | TJ | Tajikistan |
| BE | Belgium | GN | Guinea | MK | The former Yugoslav | TM | Turkmenistan |
| BF | Burkina Faso | GR | Greece | | Republic of Macedonia | TR | Turkey |
| BG | Bulgaria | HU | Hungary | ML | Mali | TT | Trinidad and Tobago |
| ВJ | Benin | IE | Ireland | MN | Mongolia | UA | Ukraine |
| BR | Brazil | IL | Israel | MR | Mauritania | UG | Uganda |
| BY | Belarus | IS | Iceland | MW | Malawi | US | United States of America |
| CA | Canada | IT | Italy | MX | Mexico | UZ | Uzbekistan |
| CF | Central African Republic | JP | Japan | NE | Niger | VN | Viet Nam |
| CG | Congo | KE | Кепуа | NL | Netherlands | YU | Yugoslavia |
| СН | Switzerland | KG | Kyrgyzstan | NO | Norway | ZW | Zimbabwe |
| CI | Côte d'Ivoire | KP | Democratic People's | NZ | New Zealand | | |
| CM | Cameroon | | Republic of Korea | PL | Poland | | |
| CN | China | KR | Republic of Korea | PT | Portugal | | |
| CU | Cuba | KZ | Kazakstan | RO | Romania | | |
| CZ | Czech Republic | LC | Saint Lucia | RU | Russian Federation | | |
| DE | Germany | LI | Liechtenstein | SD | Sudan | | |
| DK | Denmark | LK | Sri Lanka | SE | Sweden | | |
| EE | Estonia | LR | Liberia | SG | Singapore | | |